



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of:

Richard A. Craig and Anthony J. Peurrung

Application No. 10/737,334

Filed: December 16, 2003

Confirmation No. 7550

For: METHOD AND APPARATUS FOR THE
DETECTION OF HYDROGENOUS
MATERIALS

Examiner: Ricardo J. Palabrica

Art Unit: 3663

Attorney Reference No. 23-70735-02

CERTIFICATE OF MAILING

I hereby certify that this paper and the documents referred to as being attached or enclosed herewith are being deposited with the United States Postal Service as First Class Mail in an envelope addressed to: MAIL STOP AMENDMENT COMMISSIONER FOR PATENTS, P.O. BOX 1450, ALEXANDRIA, VA 22313-1450 on the date shown below.

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RESPONSE TO RESTRICTION REQUIREMENT

In response to the Restriction Requirement mailed October 5, 2005:

Applicants make the following Group election, without traverse.

1. Applicants elect Group I (claims 16-46).

Applicant's also make the following species elections and each species election is made with traverse.

2. Applicants elect species A, wherein the target is an explosive (e.g., see claim 23).
3. Applicants elect subspecies A2, wherein the explosive is an unexploded ordnance (e.g., see claim 22).
4. Applicants elect D, wherein resolving is with a collimating material (e.g., see claim 34).
5. Neutron source is a fission source.
6. Neutron source material is a ^3He -containing material.
7. Neutron sensor is a ^3He gas-proportional counter.
8. Neutron shield material is a ^{10}B -containing material.